

## EUROPEAN PATENT OFFICE

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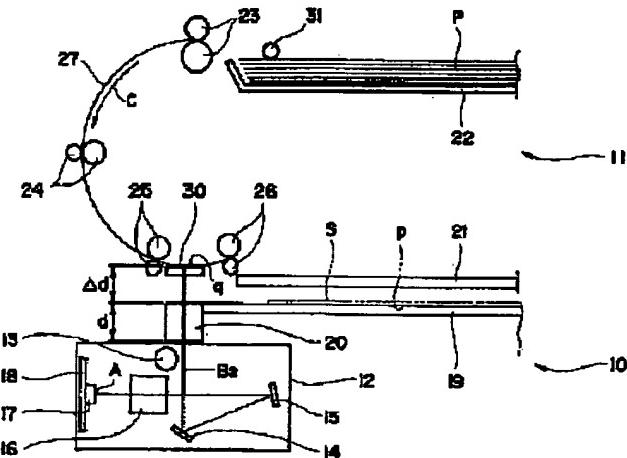
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TITLE : IMAGE READER



**ABSTRACT :** PROBLEM TO BE SOLVED: To prevent read quality of a scanning original from deteriorating and to make the image reader small in which set original reading that reads a set original set on a contact glass or scanning original reading that reads a running original carried by an automatic draft feeder(ADF) is selectively conducted.

**SOLUTION:** An ADF original glass 30 is provided between carrier rollers 25, 26, close to the height position of a discharge tray 21 of an ADF 11 and the installed position is set higher than a contact glass 19 by  $\Delta d$ . On the other hand, a parallel flat glass 20 is provided beneath the ADF original glass 30 of the device main body 10. In the case of reading a running original, a light from a light source 13 strikes on an original face (q), higher than the contact glass 19 by  $\Delta d$ , and its reflected light  $B_2$  is formed and the optical path length of the reflected light  $B_2$  is extended by passing the reflected light  $B_2$  through the parallel flat glass 20, to form an image at the same image-forming position A as that set at original reading.

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